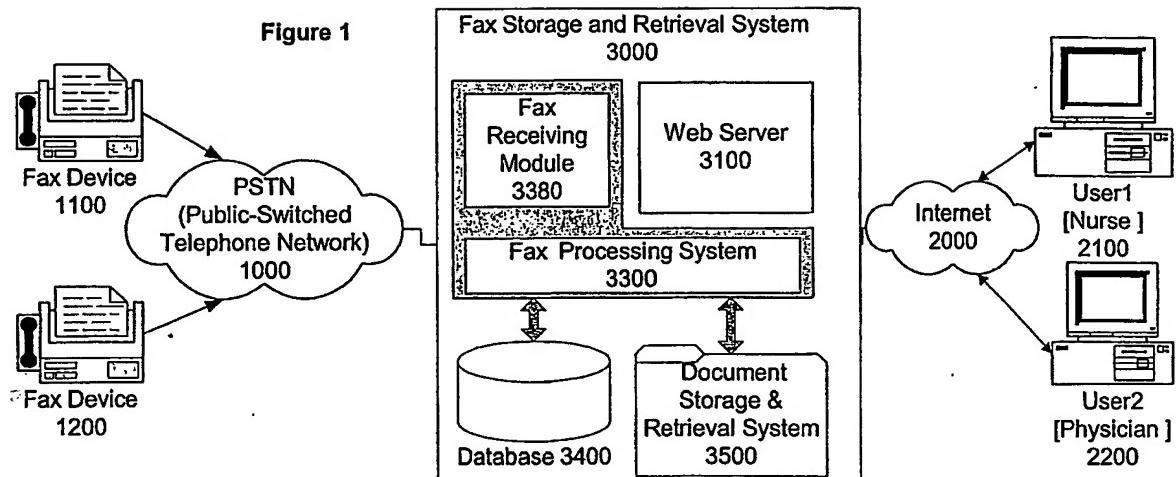
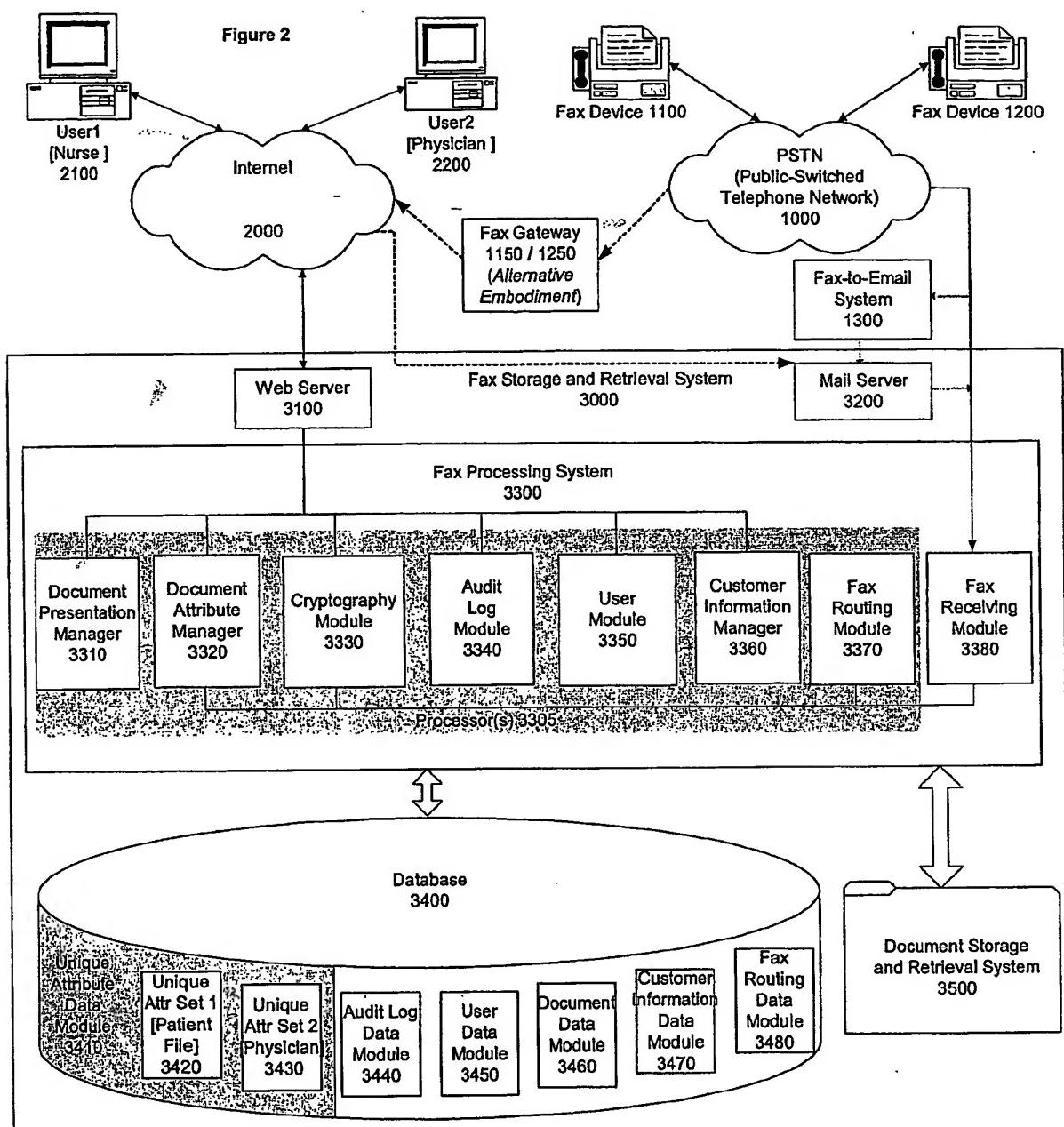


Figure 1





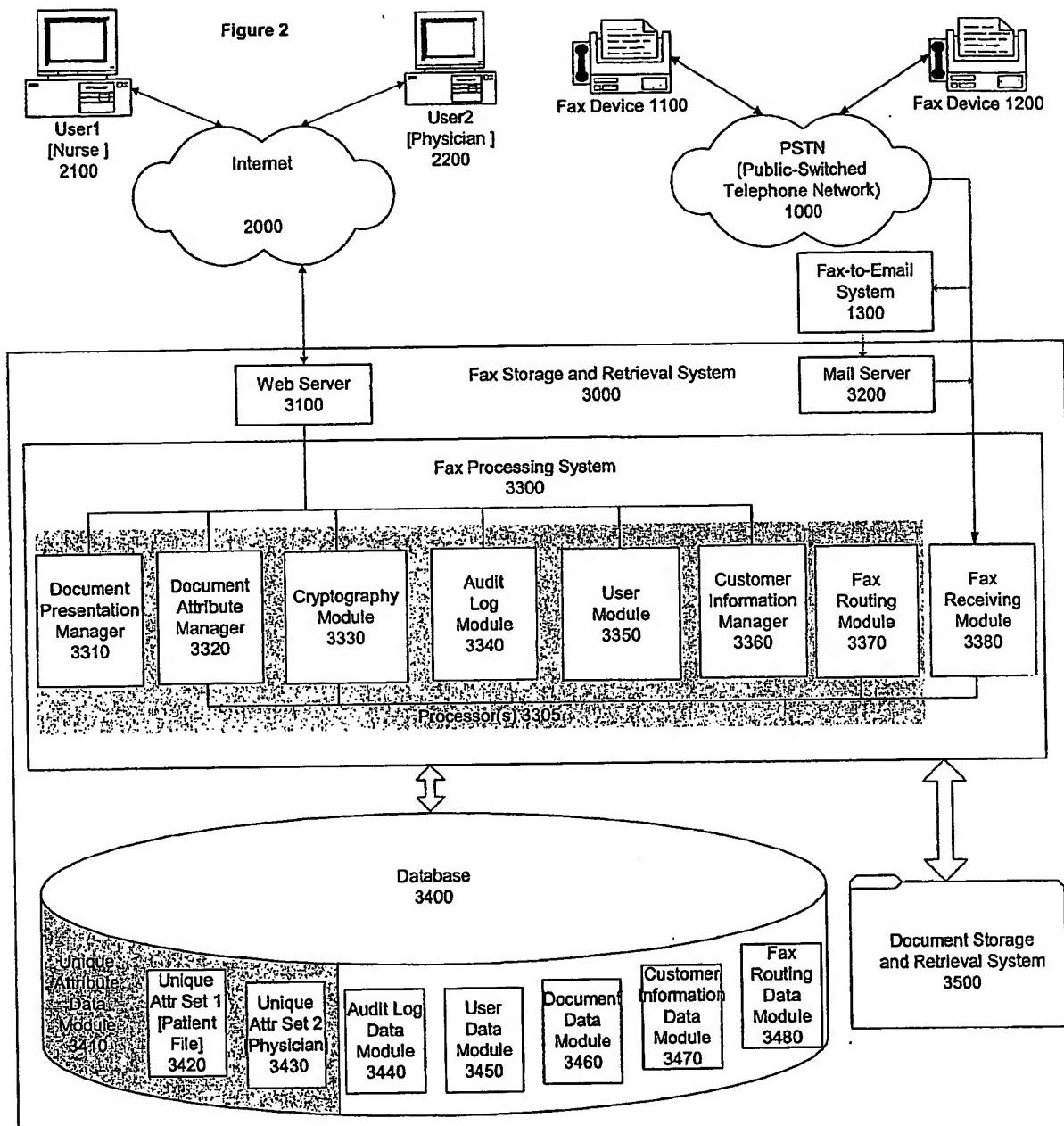
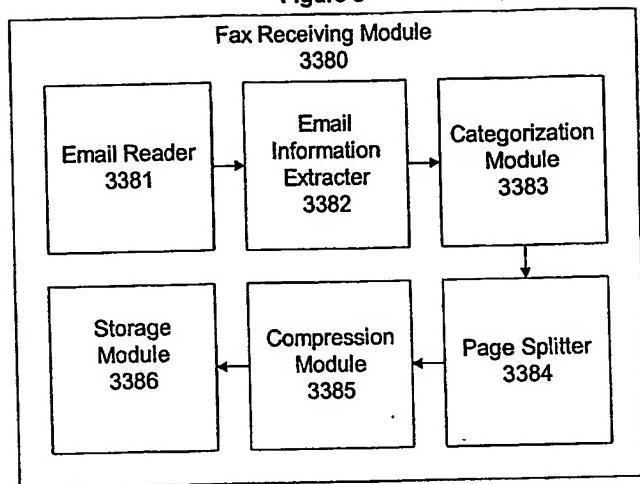
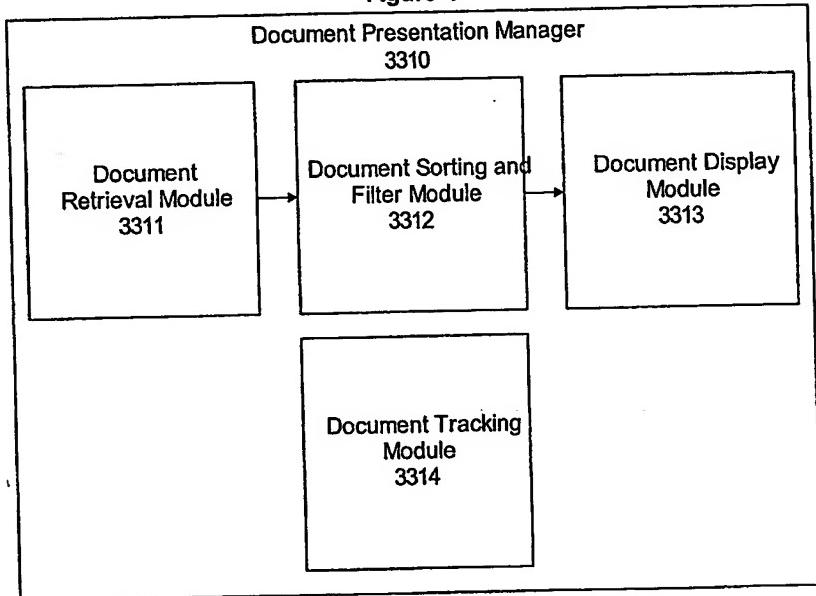
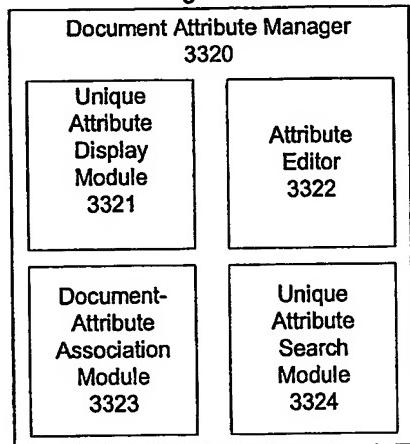


Figure 3**Document Presentation Manager 3310****Figure 4**

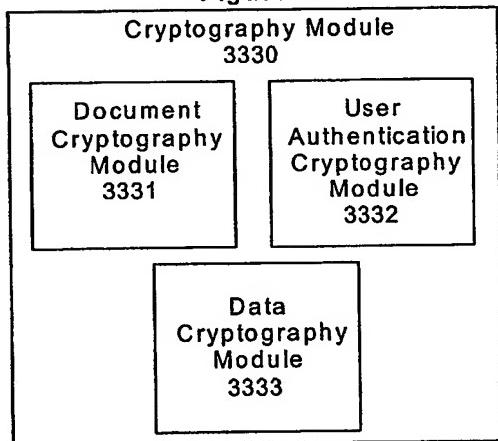
Document Attribute Manager 3320

Figure 5



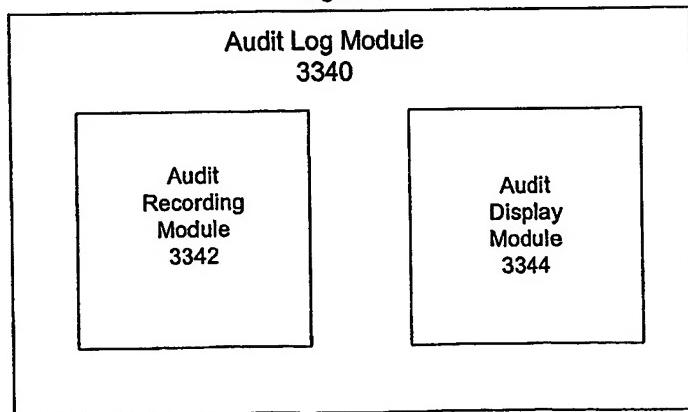
Cryptography Module 3330

Figure 6



Audit Log Module 3340

Figure 7



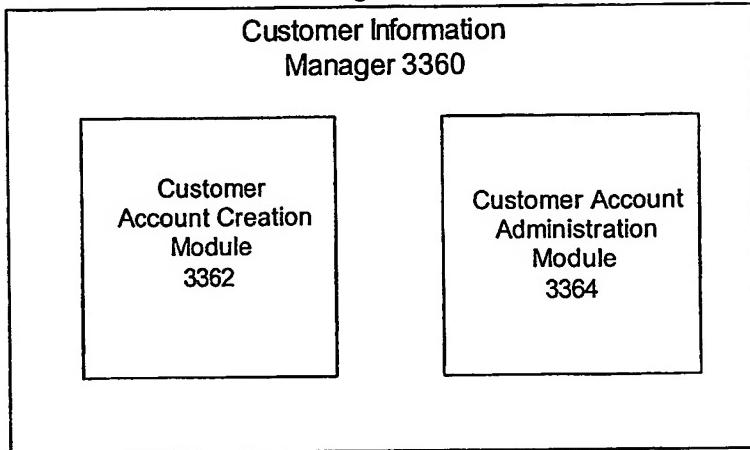
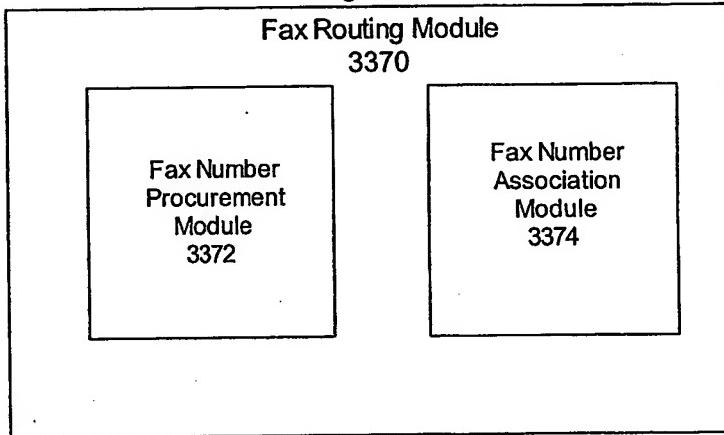
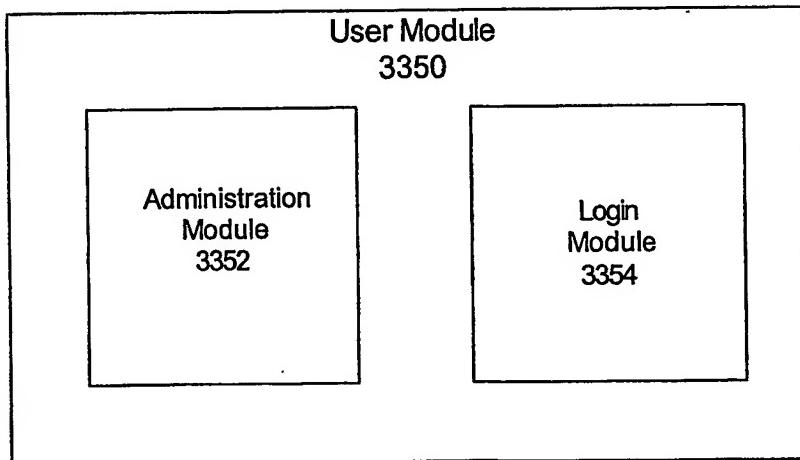
Customer Information Manager 3360**Figure 8****Fax Routing Module 3370****Figure 9****User Module 3350****Figure 10**

Figure 11
FaxRoutingInfo Table 3482

FaxRoutingInfoId	FaxNumber	EmailAddress	CustomerId	DepartmentId	MemberId	Description
17	1-866-947-0512	001@fax.mmf.com	13	12	5	

Figure 12-A
Document Table 3462

DocumentId	CustomerId	FaxRoutingInfoId	ReceivedDateTime	NoOfPages	ReceivedFrom:
1029	13	17	03-Jan-01	2	212 982 0031

Figure 12-B
DocumentPages Table 3464

DocumentPageId	UniqueCaseId	DocumentId	DocumentPageNo	UniqueCasePageNo	State
10397	765	1029	1	1	3
10398	766	1029	2	1	3

Figure 13
Customer Table 3472

CustomerId	CustomerName	CustomerCode	SessionTimeout	ContactName	ContactEmail	ContactPhone
13	Test Hospital	TH01	30	Peter Paul	ppaul@cn.com	212-333-4444

Figure 14
User Table 3452

UserId	LoginID	Password	UserType	Firstname	Lastname	CustomerId	CustomerCode	Disable
107	kjohnson	E93o30033	1	Kelly	Johnson	13	TH01	0
108	john	w882jy729	0	John	Smith	13	TH01	0

Figure 15-A
AuditAction Table 3442

AuditActionId	Description	DataType
1	Document Reviewed	NULL
2	Document Filed	1
3	Unique Case Attribute1 Changed	2

Figure 15-B
AuditLog Table 3444

AuditLogId	UserId	AuditActionId	ObjectId
1092	108	1	1029
1093	108	3	1076

Figure 15-C
AuditDetailsChar Table 3446

AuditLogId	State	Data
1093	B	'Johnson'
1093	A	'Smith'

Figure 15-D
AuditDetailsNum Table 3448

AuditLogId	State	Data
1821	B	45
1821	A	13

Figure 16
UniqueAttrSet1 (Patient File) Table 3420

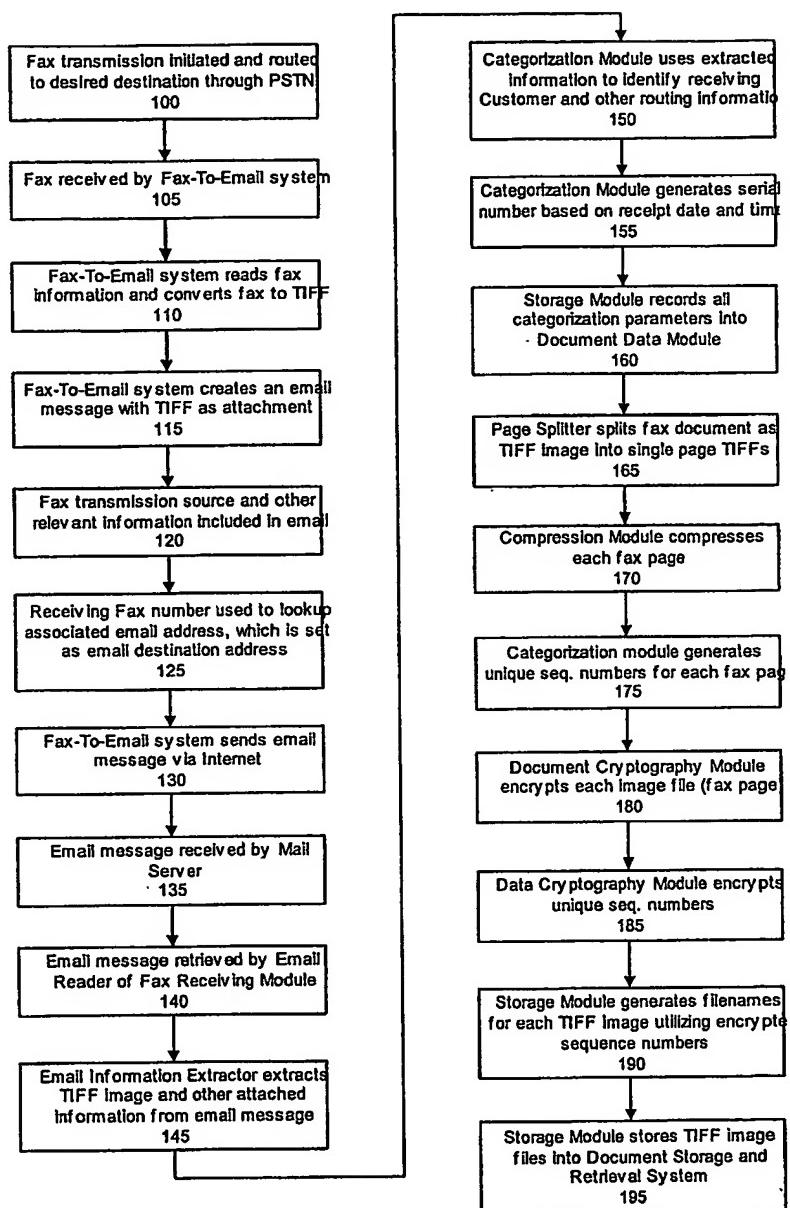
UniqueCaseId	Firstname	Lastname	SSN	DateofBirth	ProcedureDate	PhysicianId	Keywords
3109	John	Smith	028871281	11-14-63	02-08-02	32	Knee repl.
3110	Marth	Stuart	901293822	02-22-43	02-09-02	32	Bypass

Figure 17
UniqueAttrSet2 (Physician) Table 3430

PhysicianId	Firstname	Lastname	UPIN
11	Patrick	Crane	A12345
32	Jeffrey	Siegel	B12983

Figure 19
FaxToEmail Table 1302

FaxToEmailId	FaxNumber	EmailAddress
1	1-866-947-0512	001@fax.mmf.com

Fax Receiving and Storage**Figure 18**

Document Display and Organization

Figure 20
Process Flow Chart

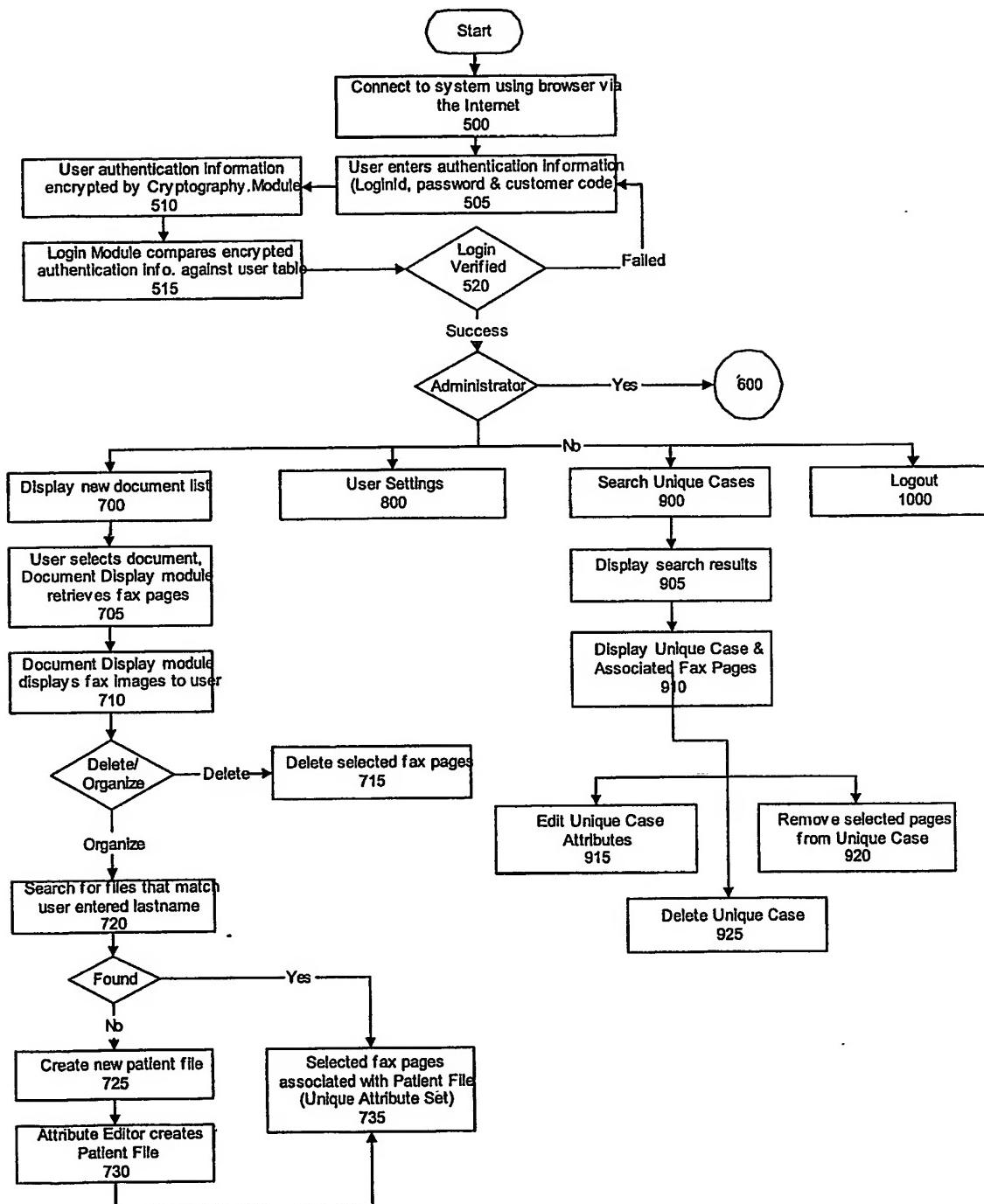


Figure 21
List of Incoming (un-reviewed) Faxes

The screenshot shows a Microsoft Internet Explorer window titled "List of faxes - Microsoft Internet Explorer". The address bar shows the URL: http://216.73.191.204/secure/fadst.asp?r=800cf62256d1421. The page content includes a navigation bar with links for Logout, Settings, and Patient Files. Below this is a section titled "Faxes" and "Un-reviewed faxes in Inbox". A help message states: "Help: The "Review" link below, allows you to organize fax contents into patient files. You can also delete unwanted faxes." A table titled "Inbox (10) | Deleted" lists ten faxes with columns for Fax#, Date/Time, From, Fax#, and Pages. A "Track Faxes" section is also present. A tip at the bottom says: "TIP: Faxes can be sorted by clicking on column headings that appear as links." At the bottom left is a "Done" button, and at the bottom right is an "Internet" icon.

Fax#	Date/Time	From	Fax#	Pages
SEP-009	09/26/2001 06:37:00 PM	Unknown	Dr. Perkins, Bridget	1
SEP-009	09/26/2001 06:38:00 PM	unknown	Dr. Perkins, Bridget	2
SEP-006	09/26/2001 06:36:00 PM	+2019382789	Dr. Iyer, Sri	2
SEP-007	09/26/2001 06:36:00 PM	7184722255	Dr. Iyer, Sri	7
SEP-001	09/26/2001 06:34:00 PM	+2019382789	OR Suite #1	2
OCT-002	10/15/2001 02:31:47 PM		OR Suite #1	3
OCT-003	10/15/2001 02:31:47 PM		OR Suite #1	3
OCT-004	10/15/2001 02:31:47 PM		OR Suite #1	3
OCT-005	10/15/2001 02:31:47 PM		OR Suite #1	3
OCT-001	10/15/2001 02:31:47 PM		OR Suite #1	3

Figure 22**Viewing a Fax**

The screenshot shows a Microsoft Internet Explorer window titled "Fax View - Microsoft Internet Explorer". The address bar shows the URL: http://216.73.191.204/secure/faxview.asp?r=800cf62256d1421&m=128&r=SEP%2000&st=0&sn=Or%625+Iyer%2C+S&Rp=7. The page content includes a "Review Fax" section with a "Patient Last Name" input field and a "File" or "Delete" button. Below this is a "Notes" section with instructions for creating a new patient file. The main area displays a fax document with multiple pages labeled D.1 through D.8. The top of the fax has the text "CPC Lite" and "MMF Systems 20480 dpi". At the bottom left is a "Done" button, and at the bottom right is an "Internet" icon.

Figure 23
New Unique Attribute Set (Patient File)

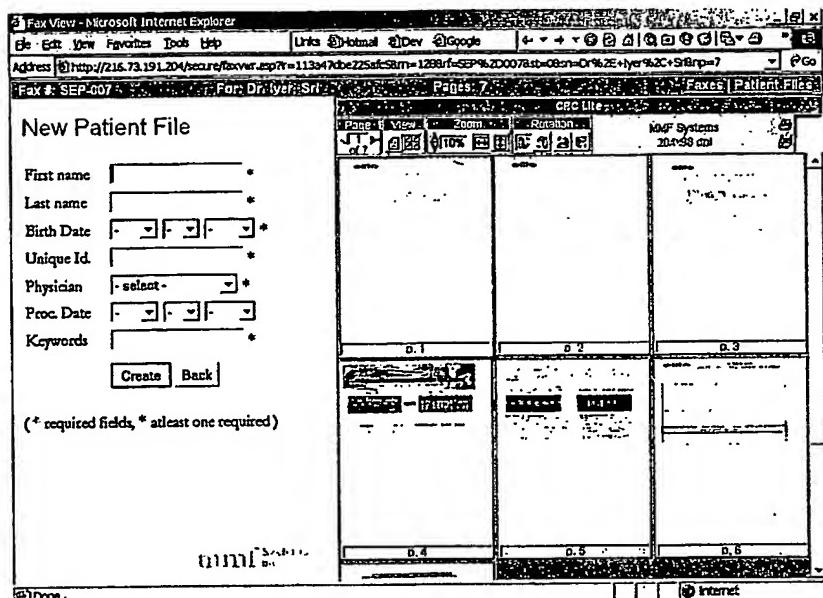


Figure 24
Unique Attribute Set (Patient File) Found

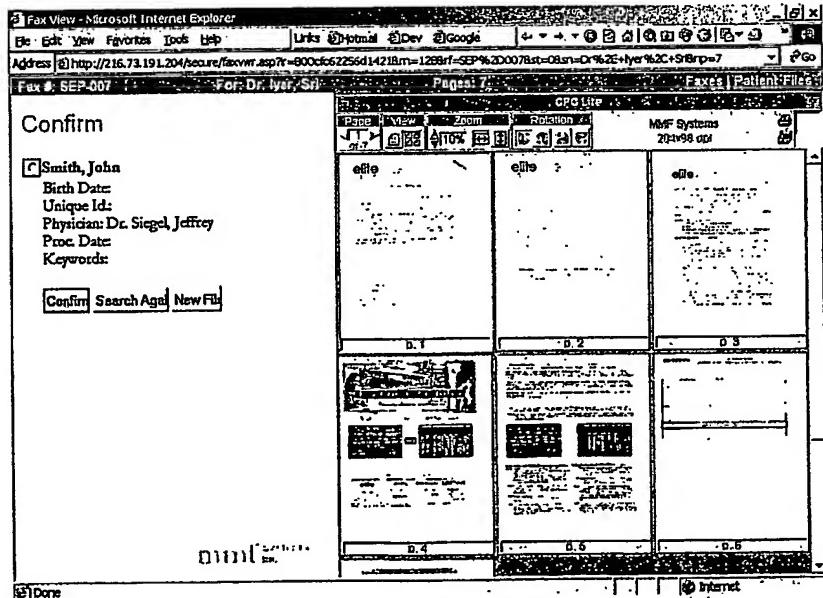


Figure 25
Search Unique Cases (Patient Files)

Patient Files

To find Patient Files, enter one or more values below and click on the 'Get Files' button.

Patient Name	<input type="text"/>	(Last or first name)		
Physician	<input type="button" value="select -"/>			
Procedure Date	<input type="button" value="m -"/>	<input type="button" value="d -"/>	<input type="button" value="y -"/>	(Month, year and/or day)
Unique Identifier	<input type="text"/>			(Record Number/SSN/etc)
Keywords	<input type="text"/>			
Search Deleted	<input type="checkbox"/> (check to look for deleted patient files only)			
<input type="button" value="Get Files"/>				

TIP: You can enter partial values, e.g. entering "I" in the patient name will bring up all patient files that have the letter "I" in the first name or last name.

Figure 26
List of Unique Cases (Patient Files)

Patient Files

8 patient file(s) found.

Click on the corresponding icon to view a file. (TIP: To view truncated information, hold the mouse cursor over the eye/glass icon).

Search Again

Patient	Birth Date	Unique Id	Keywords	Physician	Proc. Date
Vashai, Gibson	12/20/1919	10045	Testing new ID with ...	Dr. Beckman, Jim	
User, Test	02/10/1904	JU192800-PK1	Testing Keywords Da...	Dr. Siegel, Jeffrey	07/22/2002
Tort, Virtual	09/10/1927	09938383		Dr. Perkins, Sudget	01/04/2002
Marr, Ice	02/04/1979		Testing Retrace Par...	Dr. Antonacci, Renu...	
Iaumaz, randeep				Dr. Antonacci, Renu...	
Kathy, John	01/07/1903				
Jessica, Larry		9283LX509			
Cline, Mike	10/10/1973		After the sheep job...	Dr. Antonacci, Renu...	

TIP: Click on the "Search Patient Files" link at the top-left corner of the patient files list to find a patient file.

Figure 27
View Unique Case (Patient File)

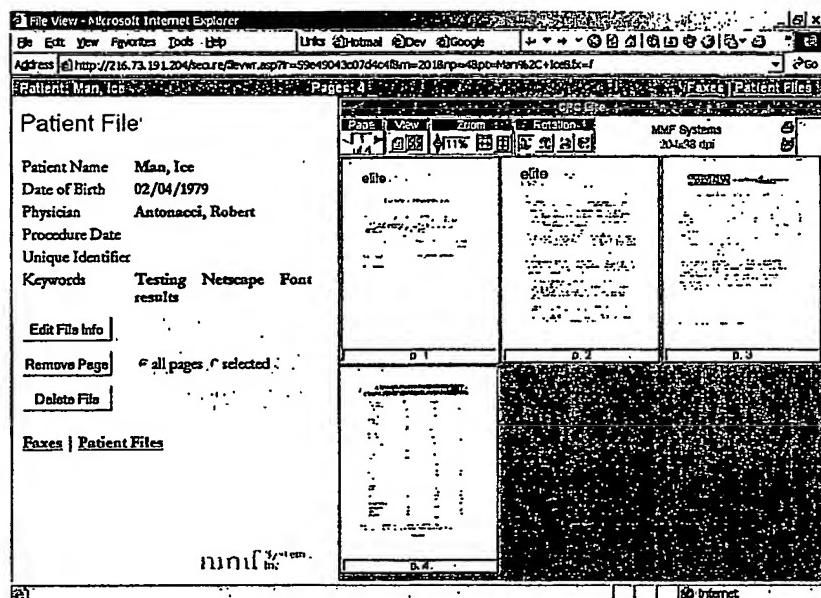


Figure 28
Edit Unique Case (Patient File) Attributes

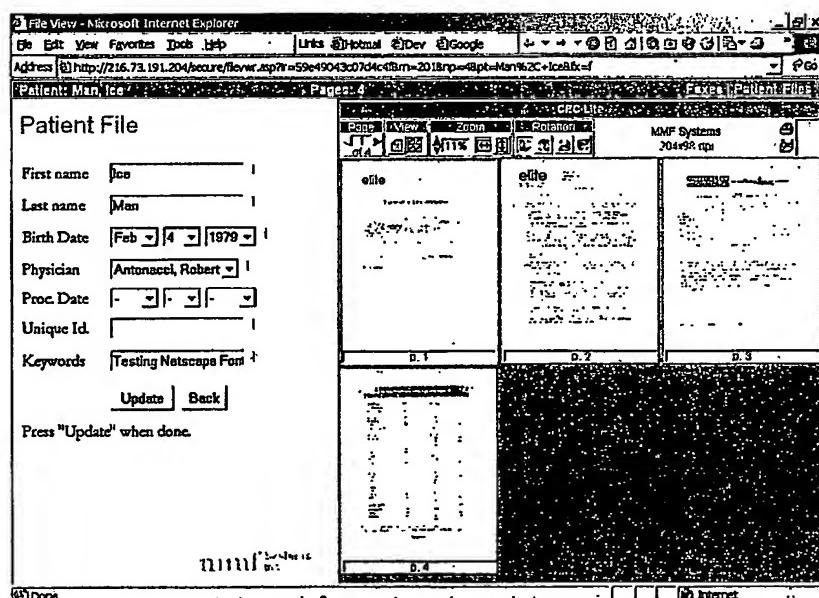


Figure 29

Hospital Procedural Information Flow (Base Case)

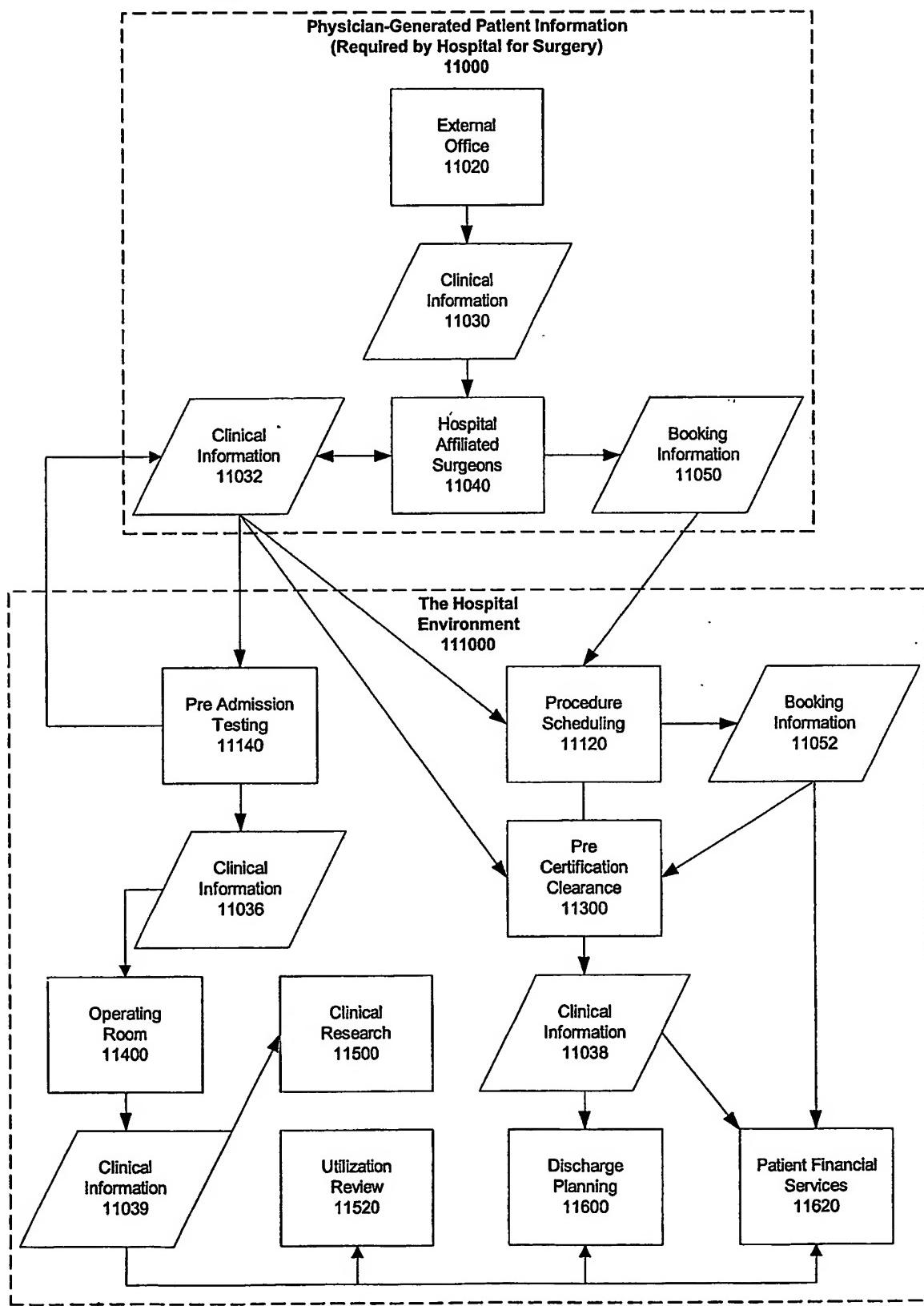
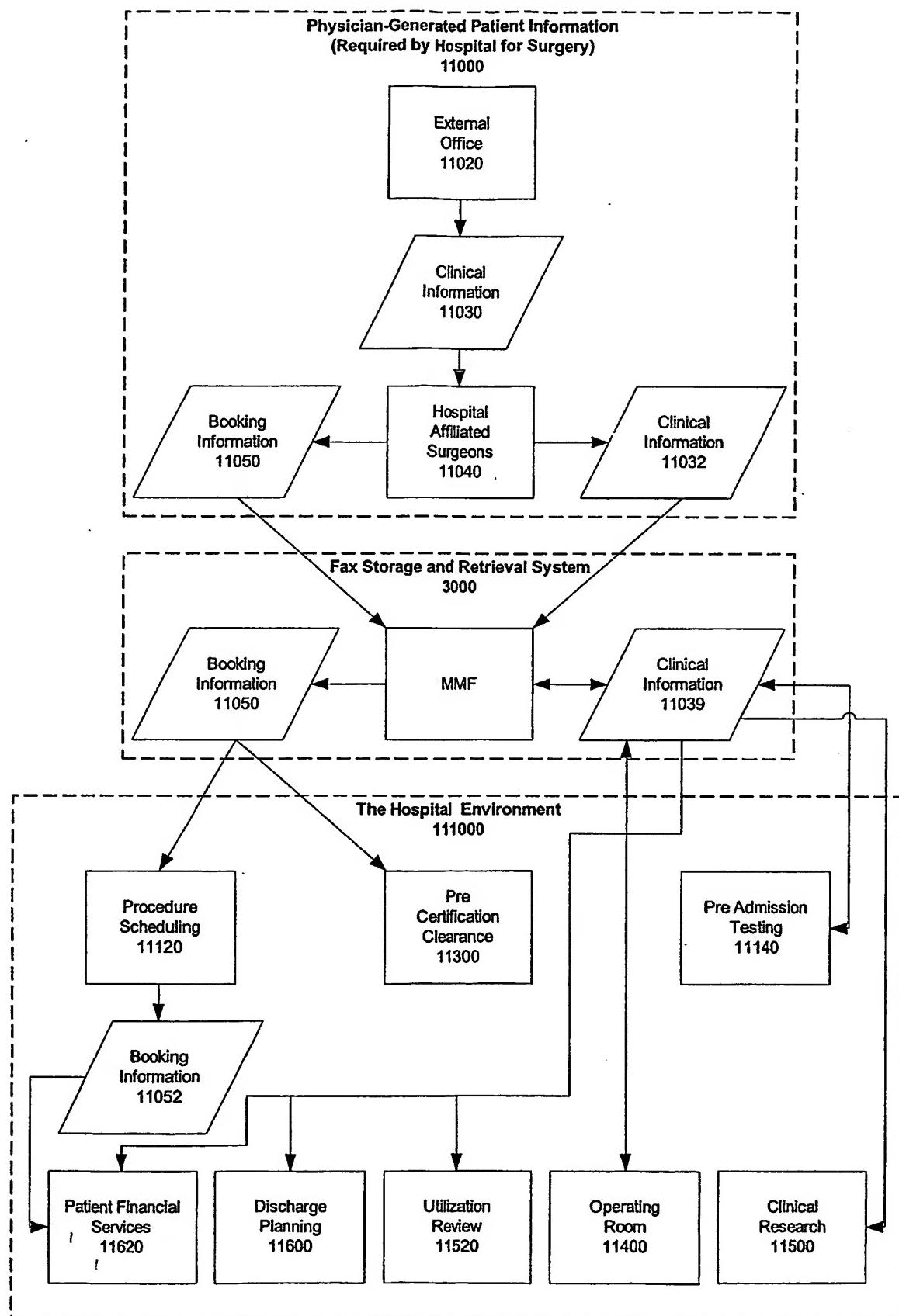


Figure 30

Hospital Procedural Information Flow (Post MMF)

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